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File: DWPI

Feb 13, 1988

DERWENT-ACC-NO: 1988-080717

DERWENT-WEEK: 198812

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TITLE: Plant growth promoter - contg. chitin or chitosan contained in crab and shrimp

PRIORITY-DATA: 1986JP-0178353 (July 29, 1986)

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PATENT-FAMILY:

| PUB-NO  | PUB-DATE          | LANGUAGE | PAGES | MAIN-IPC |
|---|-------------------|----------|-------|----------|
| <input type="checkbox"/> <u>JP 63033310 A</u> | February 13, 1988 |          | 003   |          |

INT-CL (IPC): A01N 63/00

ABSTRACTED-PUB-NO: JP 63033310A

BASIC-ABSTRACT:

Plant growth promoter contains as active component chitin or chitosan. Chitin and chitosan is contained in crab and shrimp. The active component also includes oligosaccharide and N-acetylglucosamine of chitin and chitosan, and salts of chitin and chitosan.

Salts are hydrochloride and like inorganic salts, and acetate and like organic acid salts. The active component can be formulated as aq. soln., emulsion, aq. suspension and oily suspension. Use amt. of the active component is dependent on the kind of crop, growth stage of crop and application manner and use time. When using the active component in form of soln., the use concn. is 0.001-1000 (0.01-100) ppm. It is possible to use the active component in combination with gibberellin and brassinolide and like plant growth promoters, liq. fertiliser, insecticide and fungicide. To improve the adhesion to crops, surfactant can be added to the aq. soln.

ADVANTAGE - The active component promotes the growth of root, and is safe to humans and plants.

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